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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/909,235	07/19/2001	George F. Ramsay III	AUS920010366US1	8703

7590 09/11/2003  
Kelly K. Kordzik  
5400 Renaissance Tower  
1201 Elm Street  
Dallas, TX 75270

EXAMINER

QUILLEN, ALLEN E

ART UNIT	PAPER NUMBER
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2676

DATE MAILED: 09/11/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/909,235	RAMSAY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Allen E. Quillen	2676	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
     If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \*    c) ☐ None of:  
         1. ☐ Certified copies of the priority documents have been received.  
         2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
     \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
     a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____   |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2</u> | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless – (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1 - 36 are rejected under 35 U.S.C. 102(e) as being anticipated by Lavelle, et al, U.S. Patent 6,020,901.

3. Regarding claim 30, representative of claims 1, 3-6, 8-11, 13-16, 18-23, 25-29, 32-36, Lavelle discloses a method ( a system, a program operable, or computer media with logic (*system and architecture, logic, applications*, Column 2, lines 29, 32, 30, 51) ) for allocating memory space (*partitioned*, Column 2, line 43; Column 3, lines 45-47; Column 6, lines 61-62) comprising the steps of: providing a user (*SPARC workstation, mouse*, Column 1, lines 22-29; *computer assisted design, CAD*, Column 1, lines 14-17; *input devices*, Figures 1 and 2, element 20, column 1, line 36) with (then receiving and reading (*read and write state machines*, Column 5, lines 1-6)) a selectable option (a list of start up options (*Windows-based applications*, Column 5, lines 27-33; *PROM*, Column 3, lines 42-44), command line options (Column 2, line 43-52), and a default value overridable by the command line option (*two parallel paths, DP and AP*, Column 5, lines 7-25), corresponding to single or double buffered stereo memory allocations setting [appropriate] flags [for each] (*FIELD*, Column 7, line 33 through Column 8, line 34) ) to allocate said memory space as a double (*quad*) buffered stereo or a single buffered stereo (Column 4,

Art Unit: 2676

lines 18-29); and (determining to allocate then) allocating said memory space as one of said double buffered stereo and (or) said single buffered stereo in response to said selectable option (*FIELD*, Column 7, line 33 through Column 8, line 34); wherein the system, comprising: a processor; a memory unit coupled to said processor, wherein said memory unit is operable for storing a computer program operable for allocating memory space (see above); a display; a graphics adapter coupled to said display, wherein said graphics adapter is configured to control the rendering of text and images on said display, wherein said graphics adapter comprises a frame buffer configured to temporarily store one or more frames of data to be displayed on said display; and a bus coupling the processor to said graphics adapter; wherein the computer program is operable for performing the programming (see above; Figures 1 and 2, elements, 10, 110, 120, 30, 70', 60, *device bus, such as may be used with a computer system, e.g., a Sun Microsystems, Inc. SPARC workstation*, Column 1, 22-54; "*FFB ASIC*", Column 2, lines 35-36; *PROM*, Column 3, lines 31-39; Column 4, line 53).

4. Regarding claim 2, representative of claims 7, 12, 17, 24, 31, Lavelle discloses a method as recited in claim 1, wherein if said memory space is allocated for said single buffered stereo then a greater portion of said memory space is available for at least one of texture memory (Column 1, line 19) and off-screen cache (see above, Column 5, lines 6-14; Column 6, lines 11-30).

Art Unit: 2676

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen E. Quillen whose telephone number is (703) 605-4584.

The examiner can normally be reached on Tuesday – Friday, 8:30am – noon and 1:00 - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew C. Bella, can be reached on (703) 308-6829.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**Or FAX'd to:**

**(703) 872-9314 (for Technology Center 2600 only)**

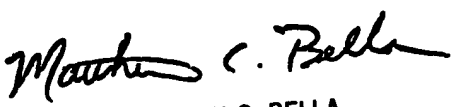
Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Sixth Floor (Receptionist), Arlington, Virginia

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number (703) 305-9600 or (703) 305-3800.

Allen E. Quillen  
Patent Examiner  
Art Unit 2676

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June 11, 2003

  
MATTHEW C. BELLA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600